

RECOMMENDATION FOR FURTHER ACTION

DATE: July 26, 1985
PREPARED BY: Chris Lichens, Ecology & Environment, Inc.
SITE: Rank Electronics

TDD #: R09-8506-08
CAD #: 980880603

Introduction:

The Santa Cruz Board of Supervisors has requested assistance from the Environmental Protection Agency (EPA) in determining the cause and subsequent correction of toxic contamination entering the federally designated "sole source" Santa Margarita aquifer. Ecology and Environment, Inc. (E&E), in its role as subcontractor to EPA, has initiated the Preliminary Assessment/Site Inspection (PA/SI) phase of the investigation. Using information drawn from file searches and interviews with state and local regulatory agencies, FIT has established a list of sites and facilities that are possible sources of contamination.

1. Initial FIT conclusions and recommendations for further action:

a) Site Description:

Rank Electronics (RE) is located at 4658 Scotts Valley Drive (see Site Location Map, Figure 1.0) in Scotts Valley, CA and is operated by Dave Bridge. The facility is used to manufacture electronic tubes (City of Scotts Valley Hazardous Materials Management Plan, 3/6/85).

Apparent Problem:

Rank Electronics is one of numerous sites being considered as a potential source of contamination of the Santa Margarita aquifer. RE has been cited by the City of Scotts Valley for various improper storage violations (City of Scotts Valley Permit/Violation form, 4/26/85).

o Observed Release:

There are no documented instances of observed release to the air, groundwater, surface water or soil.

o Direct Contact/Fire and Explosion:

There is no apparent threat from direct contact or fire/explosion at this site.

o Waste Type and Quantity:

The Hazardous Materials Inventory Statement from the City of Scotts Valley Hazardous Materials Management Plan, 3/6/85, is shown in Appendix B. Toluene and Trichloroethane are of special concern since they have been detected in the Santa Margarita Aquifer.

o Groundwater:

The Santa Margarita aquifer is located in Scotts Valley where the recharge zone is roughly defined by the Zayante fault to the north, the San Lorenzo River to the west and Carbonera Creek to the east. All wells in the area draw from the EPA designated "sole source" Santa Margarita aquifer.

The Santa Margarita aquifer consists of unconsolidated friable, medium to coarse grain sandstone. Depth to groundwater in Scotts Valley ranges from 30 to 132 feet and occurs under water table conditions throughout much of the area. The aquifer is moderately to highly permeable and is susceptible to contamination through the recharge zone. (Federal Register, 1/14/85 and Scotts Valley Water District Groundwater Level Monitoring, 3/85).

According to the USDA Soil Survey of Santa Cruz County (August 1980), the soil at the site is known as Elder sandy loam soil and is described as a slightly acid sandy loam in the first 31 inches, changing to a sandy loam and loamy sand for up to the next 60 inches.

Net precipitation in the area between November and April is approximately 12.41 inches. (Rainfall Frequency Atlas of the U.S., Technical Paper No. 40, U.S. Dept. of Commerce, 1963).

o Surface Water:

Carbonera Creek is adjacent to the RE site. Its present and/or anticipated future uses include: municipal and domestic drinking water supply, wildlife habitat, agricultural supply, industrial service supply, cold fresh water habitat, and non-contact water recreation (see Contact Report, Vern Jones, 7/6/85).

Bean Creek lies over a mile to the northwest of the site. Its present and/or anticipated future uses include: municipal and domestic drinking water supply, agricultural supply, industrial service supply, wildlife habitat, cold fresh water habitat, fish migration and spawning, contact and non-contact water recreation, and groundwater recharge (see Contact Report, Vern Jones, 7/6/85).

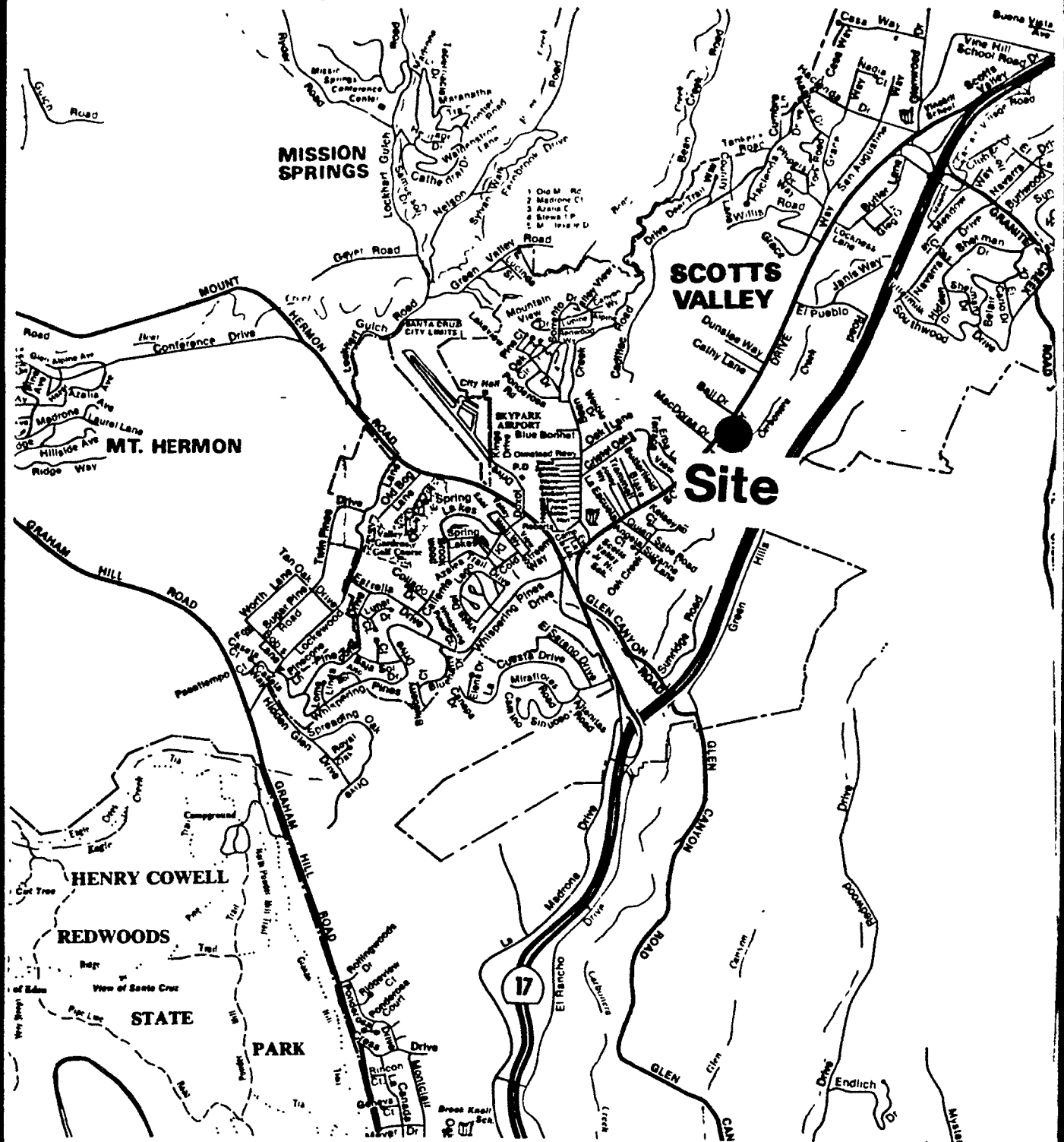
o Conclusions/Recommendations:

Available file information indicates that the Santa Margarita "sole source" aquifer is contaminated with various volatile organic contaminants. The highly permeable nature of local soils, the scattered locations of contaminated wells and the existence of numerous facilities in the area which handle hazardous materials are factors which suggest the possibility of multiple sources of contamination. If waste chemicals were spilled or discharged on this site, they could contribute to contamination of the aquifer. In order to more accurately characterize this site's potential contribution to groundwater contamination FIT recommends a site inspection.

2. EPA recommendation for further action:

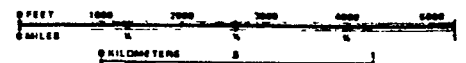
3. Response Termination: _____ No Further Action _____
_____ Active

Justification:



Site Location Map **Rank** **Electronics**

Figure 1.0



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Scotts Valley Street Map

APPENDIX A

Contact Log and Contact Reports

PRELIMINARY ASSESSMENT CONTACT LOG

Facility Name: Rank Electronics
Facility ID: R09-8506-08

Name	Affiliation	Phone #	Date	Information
Bob Geyer	Scotts Valley Sanitation District	(408) 438-0732	05-21-85	See Contact Report
File Search	EPA CERCLIS and FINDS		05-29-85	Site was not listed in either the CERCLIS or FINDS data bases.
File Search	Department of Health Services	(415) 540-2043	06-19-85	File found and copied
Alvin Nagel	Scotts Valley Fire Protection Department	(408) 438-0211	06-24-85	See Contact Report
Raynor Talley	Santa Cruz County Environmental Health	(408) 425-2341	06-25-85	File not found
Vern Jones	RWQCB, Central Coast Region	(805) 549-3147	06-26-85	File Not Found
Al Haynes	San Lorenzo Valley Water District	(408) 338-2153	07-05-85	See Contact Report
Daryl Ellis	Scotts Valley Water District	(408) 438-2363	07-05-85	See Contact Report
Gene Watson	Santa Cruz Municipal Utilities	(408) 429-3666	07-05-85	See Contact Report
Ted Wooster	California Dept. of Fish & Game	(707) 944-2011	07-05-85	See Contact Report
Vern Jones	Central Coast RWQCB	(805) 549-3147	07-06-85	See Contact Report

CONTACT REPORT

AGENCY: Scotts Valley (HMMP) Sanitation District/Hazardous
Materials Management Program

ADDRESS: Scotts Valley City Hall, Scotts Valley
CA 95066

PERSON
CONTACTED: Bob Geyer

PHONE NO.: (408) 438-0732

FROM: Steve Wisbaum

TO: CERCLIS File

DATE: May 21, 1985

SUBJECT: HMMP file search to identify potential sources of
contamination entering the Santa Margarita Aquifer

HMMP files were reviewed and copied by FIT member Steve Wisbaum.
The following sites were selected for further study based on review of
permit applications and interviews with HMMP personnel.

Assembly Services
34 B Janis Way Building B
Scotts Valley, CA 95066
(408) 438-1871
Walter Marks (Owner)

Rank Electronics
4658 Scotts Valley Dr.
Scotts Valley, CA
(408) 438-6440
Dave Bridge (Owner)

Ferranti Interdesign
1500 Greenhills Road
Scotts Valley, CA
(408) 438-2900
Graham Wallis (President)
Sandy Wyman (Facilities Manager)

Scarborough Lumber &
Building Supply
20 El Pueblo Road
Scotts Valley, CA 9506
(408) 438-0392
Alvin Scarborough (Owner)

Instrument Graphics
54 A El Pueblo Road
Scotts Valley, CA
(408) 438-0315
Stephen Johnson (Owner)

Scotts Valley Circuits
66 El Pueblo
Scotts Valley, CA 9506
(408) 947-7400
Michael Gottsegen or
Carole Teuscher (Owner)

Jamie Hood Speed and Machine
163 Estrella Road
Scotts Valley, CA 95066
(408) 438-5936

Scotts Valley
Intermediate School
8 Bean Creek Road
Scotts Road, Ca 95066
Bob Geyer (Contact)

J & E Machine
5998 Butler Lane
Scotts Valley, CA
(408) 438-2055
Ernest Pitts (President)

Seagate Technology
19 Janis Way
Scotts Valley, CA
(408) 438-6550

Kaiser Pit
Mout Herman Road
Scotts Valley, CA 95066
Bob Geyer (Contact)

Kings Cleaners
222 Mt. Herman Road
Scotts Valley, CA
(408) 438-2263
Alan Ditto (Owner)

KeveX X-Ray Tube Division
320 El Pueblo Road
Scotts Valley, CA
(408) 438-5940
Brian Skillcorn (Manager)

Pettibone Signs
17 Janis Way
Scotts Valley, CA 95066
(408) 438-3161
Jerry Pettibone (Owner)

Si-Fab Corporation
27 Janis Way
Scotts Valley, CA 95066
(408) 438-6800
Leon B. Pearce (President)

Sky Park Airport
Kings Village Road
Scotts Valley, CA
(408) 429-3633
Rick Shedden
(Public Works Director)

Skypark Airport Leachfield/
Holms Lumber Yard Leachfield
666 Mount Herman Road
Scotts Valley, CA 95066
Bob Geyer (Contact)

Tapemation Machine
21 El Pueblo Road
Scotts Valley, CA
Bruce Erikson

Tr Western
34 El Pueblo Road
Scotts Valley, CA
(408) 438-4015

Valley Gardens Golf Course
236 Mount Herman Road
Scotts Valley, CA 95066
Bob Geyer (Contact)

Watkins Johnson
440 Kings Village Road
Scotts Valley, CA
(408) 438-2100
Ronald D. Lessack
(Manager)

CONTACT REPORT

AGENCY: U.S. Environmental Protection Agency

ADDRESS: 215 Fremont Street
San Francisco, CA 94950

PERSON
CONTACTED:

PHONE NO.:

FROM: Steve Wisbaum *SW*

TO: CERCLIS Files

DATE: May 29, 1985

SUMMARY: CERCLIS and FINDS file search for Santa Margarita/Scotts Valley Potential Hazardous Waste Sites

<u>Site Name</u>	<u>County</u>	<u>CERCLIS File</u>	<u>FINDS File</u>
Assembly Services	Santa Cruz	Not Listed	Not Listed
Ferranti Interdesign	" "	Not Listed	Not Listed
Instrument Graphics	" "	Not Listed	Not Listed
J & E Machine	" "	Not Listed	Not Listed
Kings Cleaners	" "	Not Listed	Not Listed
KeveX X-Ray Tube Division	" "	Not Listed	Not Listed
Pettibone Signs	" "	Not Listed	Not Listed
Rank Electronics	" "	Not Listed	Not Listed
Scarborough Lumber & Building	" "	Not Listed	Not Listed
Seagate Technology	" "	Not Listed	Not Listed
Si-Fab Corporation	" "	Not Listed	Not Listed
Sky-Park Airport	" "	Not Listed	Not Listed
Tapemation Machine	" "	Not Listed	Not Listed
Tate Western	" "	Not Listed	Not Listed
Watkins - Johnson	" "	Not Listed	Not Listed

CONTACT REPORT

AGENCY: Scotts Valley Fire Protection Department
ADDRESS: Scotts Valley, CA
PERSON CONTACTED: Alvin Nagel,
Assistant Fire Chief
PHONE NO.: (408) 438-0211
FROM: Martha Walters
TO: CERCLA
DATE: 6/24/85
SUBJECT: Availability of site specific file information
for Scotts Valley groundwater contamination
investigation.
cc:

The Scotts Valley Fire Protection Department has only kept records for the past five years of facilities in the area. Because of the filing system used, this information is accessed only by having prior knowledge of the time, date, and location of a fire and/or spill. For more detailed, site-specific information, Mr. Nagel referred FIT to Mr. Bob Geyer of Scotts Valley Sanitation District, who has already been contacted.

The Fire Protection Department does not have a general listing of materials stored or records of violations at the following facilities:

Assembly Services	Ferranti Interdesign
Instrument Graphics	Jamie Hood Speedmachine
J&E Machine	Kaiser Pit
Kings Cleaners	KeveX X-Ray Tub Division
Pettibone Signs	Rank Electronics
Scarborough Lumber and Building Supply	
Scotts Valley Circuits	Scotts Valley Intermediate School
Seagate Technology	Si-Fab Corporation
Sky Park Airport Leachfield	Tapemation Machine
Watkins - Johnson	Valley Gardens Golf Course
Sky Park Airport	Tate Western

CONTACT REPORT

AGENCY: San Lorenzo Valley Water District (SLVWD)
ADDRESS: P.O. Box H
PERSON
CONTACTED: Al Haynes
PHONE NO.: (408) 338-2153
FROM: Steve Wisbaum
TO: CERCLIS File
DATE: July 5, 1985

The following information was obtained from Mr. Haynes in regards to groundwater use in the vicinity of Scotts Valley:

- o SLVWD has four wells which tap the Santa Margarita Aquifer - Olympia 1 and 2 and Probation New and Old.
- o Hydrogeological investigations in the area indicate that Bean Creek acts as a hydrologic barrier effectively separating the Santa Margarita Aquifer to the West and East of the Creek.
- o Olympia 1 and 2 are located to the northwest of Bean Creek and therefore should not be affected by contamination in the Scotts Valley area.
- o Old Probation and New Probation Wells service 442 residential connections at this time.

CONTACT REPORT

AGENCY: Scotts Valley Water District (SVWD)
ADDRESS: 4860 Scotts Valley Drive, Scotts Valley, CA
PERSON
CONTACTED: Daryl Ellis
PHONE NO.: (408) 438-2363
FROM: Steve Wisbaum *SW*
TO: CERCLIS File
DATE: July 5, 1985
cc: Background information for Santa Margarita
Aquifer/Scotts Valley Groundwater Contamination
Investigation

The following information was obtained from Mr. Ellis in regard to groundwater use in the vicinity of Scotts Valley.

- o As of July 5, 1985 the Scotts Valley Water District (SVWD) has 2086 Consumptive Service Connections (Residences and Businesses)
- o Almost all the SVWD wells are screened in both the Santa Margarita Aquifer and the deeper Lompoco Aquifer
- o SVWD blends all their water
- o Florea well is probably screened in only the Santa Margarita Aquifer due to the additional expense of drilling into the deeper Lompoco Aquifer

CONTACT REPORT

AGENCY: Santa Cruz Municipal Utilities
ADDRESS: 809 Center Street,
PERSON
CONTACTED: Gene Watson - Assistant Director
PHONE NO.: (408) 429-3666
FROM: Steve Wisbaum
TO: CERCLIS File
DATE: July 5, 1985
SUBJECT: Background information on uses of Carbonera and Bean
Creeks

The following information was obtained from Mr. Watson:

The City of Santa Cruz utilizes water from the San Lorenzo River as a drinking water supply. Bean Creek is tributary to the River and is upstream from the City's two water intakes. One of these intakes is located just south of the town of Felton approximately 200 yards north of the U.S.G.S. Stream Gauge Station. (Approximately 4 stream miles downstream of Scotts Valley sites.) The second intake is located at Tait Street approximately 2 miles North of Highway 1. An excess of 40,000 people are serviced by Santa Cruz Municipal Water supplies.

Carbonera Creek is also tributary to the San Lorenzo River but empties into the River downstream from the City's intakes.

CONTACT REPORT

AGENCY: California Department of Fish and Game
ADDRESS: P.O. Box 47, Yountville, CA 94599
PERSON
CONTACTED: Ted Wooster - Environmental Services Supervisor
PHONE NO.: (707) 944-2011
FROM: Steve Wisbaum *SW*
TO: File
DATE: July 5, 1985
SUBJECT: Background information for Santa Margarita Aquifer/
Scotts Valley Groundwater Contamination Investigation

Mr. Wooster knew of no endangered species, critical habitat or "Areas of Special Concern" in the Scotts Valley, Carbonera or Bean Creek area.

CONTACT REPORT

AGENCY: Central Coast Regional Water Quality Control Board
ADDRESS: 1102-A Laurel Lane, San Luis Obispo, CA
PERSON
CONTACTED: Vern Jones
PHONE NO.: (805) 549-3147
FROM: Steve Wisbaum *SW*
TO: CERCLIS File
DATE: July 6, 1985
SUBJECT: Background information on surface water use for the
Santa Margarita Aquifer/Scotts Valley Groundwater
Contamination Investigation

Quoting from State Water Resources Control Board publication:
"Water Quality Control Plan - Central Coastal Basin, May 1974, Mr.
Jones offered the following information on surface water use for Bean
and Carbonera Creeks.

Creek

Present and Anticipated Uses

Carbonera

Municipal and Domestic Drinking Water
Agricultural Supply
Industrial Service Supply
Non-Contact Water Recreation (Fishing and
Boating)
Wildlife Habitat
Cold Freshwater Habitat

Bean Creek

Municipal and Domestic Drinking Water
Agricultural Supply
Industrial Service Supply
Non-Contact Water Recreation
Groundwater Recharge
Water Contact Recreation (Swimming)
Wildlife Habitat
Cold Freshwater Habitat
Fish Migration and Spawning

APPENDIX B

Hazardous Materials Inventory

Special Land Uses Within One Mile (Schools, Hospitals, Institutions, Residential):

Carbonero Creek

Emergency Response Persons (Weekend, Holiday, Evening):

1. Name: Dave Broadbridge
Title: Senior Facilities Engineer Phone: 462-4079
2. Name: John Brugeman
Title: Supervisor-Swing Shift Phone: 335-3301

Part 2: Facility Map

Draw a map to legible scale showing the location of all buildings and structures, chemical loading areas, parking lots, internal roads, and storm and sewer drains on the following blank page. Indicate specific uses of adjacent properties.

Include in the map, locations of all hazardous materials storage facilities, whether interior, exterior or underground. Indicate the hazard classes stored in each area of the facility, as well as the location of any emergency equipment.

The following abbreviations for hazard classes should be used on the facility map to show what types of material are stored at each location within the facility:

HAZARD CLASSES AND LEGENDS

Explosive	EXP
Flammable Gas	FG
Non-Flammable Gas	NFG
Flammable Liquid	FL
Combustible Liquid	CL
Flammable Solid	FS
Oxidizers-Solid	OXY S
Oxidizers-Liquid	OXY L
Oxidizers-Gas	OXY G
Corrosive-Solid	CORR S
Corrosive-Liquid	CORR L
Corrosive-Gas	CORR G
Poison	POIS
Other Regulated Material	ORM

It is recommended that separate maps be drawn for each building within your facility. Attach any additional 8-1/2" X 11" pages as required. A sample map with key is attached.

Part 3: Area Map

Attach an 8-1/2" X 11" copy of a map drawn to suitable scale, which clearly indicates the location of the facility with respect to surrounding streets and highways.

Part 4: Inventory Statement

A Hazardous Material Inventory Statement (HMIS) must be completed for each facility. The HMIS should be completed using the table on the following page, make additional copies as necessary. The UN, NA numbers or EPA waste code should be shown whenever possible, and MSDS forms must be attached, if available.

The Quantity Ranges for gases, liquids and solids are defined below, and should be used on the HMIS:

Quantity Range Number

Range Amounts

- | | |
|---|---|
| 1 | Up to and including 500 pounds for solids, 55 gallons for liquids, and 200 cubic feet at STP for compressed gases; |
| 2 | Between 500 and 5,000 pounds for solids, 55 and 550 gallons for liquids, and 200 and 2,000 cubic feet at STP for compressed gases; |
| 3 | Between 5,000 and 25,000 pounds for solids, 550 to 2,750 gallons for liquids, and 2,000 to 10,000 cubic feet at STP for compressed gases; |
| 4 | Between 25,000 and 50,000 pounds for solids, 2,750 and 5,500 gallons for liquids, and 10,000 and 20,000 cubic feet at STP for compressed gases; |
| 5 | More than 50,000 pounds for solids, 5,500 gallons for liquids, and 20,000 cubic feet at STP for compressed gases. |

ADDRESS:	4658 Scotts Valley Drive, Scotts Valley, CA 95066	SUITE/ROOM:	DATE:
BUSINESS NAME:	Rank Electronic Tubes	BUSINESS TEL. NO.	March 1, 1985
		(408) 438-6440	

U.S. HAZ CLASS	UN/NA & CA EPA WASTE CODE	CHEMICAL NAME OR MAJOR CONSTITUENTS IN A MIXTURE	COMMITTEE/TRADE NAME AND MANUFACTURER	CL 0504 CARCINOGEN	OPTIONAL 1 SOLUTION	UNRECOGNIZED STORAGE TANK	N.S.O.S	HAZARD CLASS
ORR-L	UN 2790	Acetic Acid						1
L	UN 1090	Acetone						2
OIS- B		Gold cyanide salt 70%, organic						
ORR-S	UN 2923	and inorganic acid salts 30%	ACR 414 R Replenisher Gold Salt				X	1
OIS		Water 99.8%,						
ORR-S	UN 2923	inorganic salt 0.02%	ACR 414 MB Make-up Brightner				X	1
OP-L	UN 1760	Water 81%, Nickel sulfamate	salt solution ACR 3008 N Nickel sulfamate				X	1
ORM-E	NA 9139	Nickel Salt 100%	ACR 3008 pH control				X	1
ORM-E	NA 9141	Water 99%, Nickel Salt	ACR 3008 B Brightner				X	1
L	UN 1172	Acrylic polymer 30%, 2-ethoxyethyl acetate 70%	Acryloid A-10				X	1
ORR-S		chromic acid, sodium fluoride,						
POIS	UN 2923	potassium fluoborate, potassium	fluozirconate Alodine 1200S				X	1
ORR-S	UN1727	Ammonium biFluoride						1
FL	UN1172	Ethylene glycol monothyl ether acetate	Cellosolve acetate				X	1
POIS	UN1564	Barium acetate						1
CL	NA1993	Mineral oil 64%	Cut Max 568 Cutting Oil				X	2
CORR-L	UN1760	Hydrochloric acid	Diverscale DS-9-333				X	1
ORM-A		Methylene chloride 65%,						
P OIS-B	NA1993	phenol -cresol mixture 18%	Dunkit				X	1
FL	UN1866	Epoxy resin	Ecobond solder 57C P+A				X	1
CL	UN2868	Polyamide	Ecobond solder 57C P+B				X	1
-E	NA9188	Nonflammable solvent nos chlorinated hydrocarbons	Eccostrip 57				X	1
CORR-S	UN1759	Sodium hydroxide 20%	Enbond 160					1

SUBMITTED BY: Cummings Environmental	TEL. NO. (IF DIFFERENT FROM ABOVE) (408) 272-8372	PAGE 1	OF 3
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ADDRESS: 4658 Scotts Valley Dr., Scotts Valley, CA 95066		SUITE/ROOM:	DATE: March 1, 1985
BUSINESS NAME: Rank Electronic Tubes		BUSINESS TEL. NO. (408) 438-6440	

O.I. HAZ CLASS	UN/NA & CR EPA WASTE CODE	CHEMICAL NAME OR MAJOR CONSTITUENTS IN A MIXTURE	COMMON/TRADE NAME AND MANUFACTURER	CAL CS#4 CARCINOGEN	CORROSIVE & SOLUTION	UNCLE ROBERT STORAGE, TANK	H.S.D.S	QUANTITY PAGE
CORR-S POIS-B	UN2923	Sodium hydroxide <50% Sodium cyanide <40%	Endox 214				X	1
CORR-L POIS-B	UN2927	Sodium hydroxide <50% Sodium cyanide <40%	Endox 214				X	1
CORR-L	UN1779	Formic acid						1
POIS FS	UN2926	Lead 60%, Cadmium 5%	Glass Enamel Black V280616317				X	1
OXY POIS	NA9200	Potassium cyanide 80-98% Lead salt 0.1%, organic oxider 2-20%	Gold Stripper 9025				X	1
CORR-L	UN1789	Hydrochloric acid					X	1
CORR-L	UN1790	Hydrofluoric acid						1
OXY	UN2014	Hydrogen peroxide						1
CL	UN1223		Kerosene					2
FL	UN1219	Rosin 37%, Isopropanol 56%	Kester 197 Rosin Flux				X	1
FL	UN1263	Ethylacetate, MEK, toluene, Amyl acetate, isopropanol, methyl isobutyl ketone	Laquer C9768				X	1
ORM-E	NA9139	Nickel Chloride					X	1
OXY	UN2031	Nitric acid						1
CORR-L	UN 1805	Phosphoric acid						1
FL	UN1274	Propyl alcohol						2.
CORR-L	UN1824	Sodium hydroxide						2
FL	NA1993	Petroleum distillate	Solvent 360 Peninsula Oil					2
ORGANIC PEROXIDE	UN2756	Glycol ether 54% Sodium naphthalene radical 46%	Tetra Etch				X	1

SUBMITTED BY: Cummings Environmental	TEL. NO. (IF DIFFERENT FROM ABOVE) (408) 272-8372	PAGE 2	OF 3
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4658 Scotts Valley Dr.

Scotts Valley, CA 95066

SUITE/ROOM:

DATE:

March 1, 1985

ADDRESS ABOVE:

Rank Electronic Tubes

BUSINESS TEL. NO.

(408) 438-6440

Q.T. RES CLASS	UN/NA & C PA WASTE CODE	CHEMICAL NAME OR MAJOR CONSTITUENTS IN A MIXTURE	COMMITTEE/TRADE NAME AND MANUFACTURER	HAZARDOUS WASTE CLASSIFICATION	HAZARDOUS WASTE DESCRIPTION	HAZARDOUS WASTE QUANTITY	HAZARDOUS WASTE DATE
ORM-A	UN2831	1,1,1 - trichloroethane					2
FL	UN1123	Butyl Acetate					1
FL	UN1104	Amyl Acetate					1
N/A	N/A	Cerium oxide					1
CORR-L	NA2672	Ammonia	Electroplate 88				1
FL	UN1123	Butyl Acetate	DuPont Conductor 4817				1
FL	UN1145	Cyclohexane					1
NFG	UN1046	Helium					2
NFG	UN1066	Liquid Nitrogen					3
NFG	UN1072	Oxygen					2
NFG	UN1966	Hydrogen					3
NFG	UN1006	Argon-Hydrogen					2
FL	UN1294	Toluene					1
***** HAZARDOUS ***** WASTES *****							
FL	UN1993	Solvent NOS (Acetone, IPA)	Solvent				2
CORR-L	UN1824	Sodium hydroxide	Sodium hydroxide				2
CORR-L	UN1727	Ammonia bifluoride-hydrofluoric acid					2

CONTINUED ON:

Cummins Environmental

TEL. NO. (IF DIFFERENT FROM ABOVE)

(408) 272-8372

PAGE

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OF

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